

# TRAILING SHIELD STRUCTURE AND METHOD FOR CREATING THE SAME

## ABSTRACT

A head structure having a write head portion for writing data to magnetic media. The write head portion includes a first pole piece with a first pole tip, a probe pole piece having a probe pole tip for emitting magnetic flux from an ABS end thereof, an insulation stack positioned between the pole pieces, at least one write coil embedded in the insulation stack, a shaping layer positioned between the probe pole piece and the insulation stack for focusing flux to the probe pole tip, a trailing shield spaced apart from the pole, the trailing shield causing the magnetic flux to enter the media at an angle from a plane perpendicular to a surface of the media facing the pole, and a return pole piece.